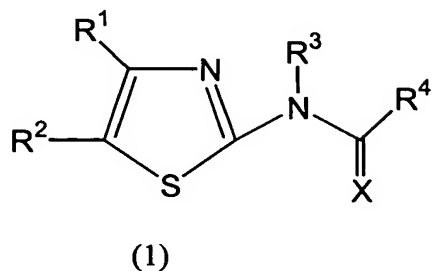


## ABSTRACT

Novel 4-perfluoroalkylthiazole derivatives and the use as an insecticide and acaricide of the compounds of formula (1):



wherein

R<sup>1</sup> is C<sub>2</sub>F<sub>5</sub>, n-C<sub>3</sub>F<sub>7</sub>, i-C<sub>3</sub>F<sub>7</sub>, R<sup>2</sup> is H, halogen, cyano, alkoxycarbonyl, hydroxymethyl, haloalkyl, alkylthioalkyl, alkoxyalkyl, acyloxyalkyl, formyl, thiocyanatoalkyl, alkoxyiminomethyl, benzyloxyiminomethyl being optionally substituted by one or more of substituents, styryl being optionally substituted by one or more of substituents or phenyl being optionally substituted by one or more of substituents, R<sup>3</sup> is H, alkyl, alkoxyalkyl or alkoxy, R<sup>4</sup> is aryl, groups, being optionally substituted by one or more of substituents, X is O, S or NR<sup>5</sup>, R<sup>5</sup> is alkyl, cycloalkyl, alkoxy, alkenylalkyloxy or alkynylalkyloxy.